

5 CLAIMS:

1. An electrical sensing device comprising:
 - (a) a support;
 - (b) at least four sensors defining an opening through which a wire may be extended; and
 - 10 (c) said sensors being supported by said support in a fixed spatial relationship.
2. The device of claim 1 wherein each of said sensors includes a wire wound torodial core.
- 15 3. The device of claim 1 wherein said openings of said sensors are oriented in a substantially parallel relationship with respect to each other.
4. The device of claim 1 wherein said support has a longitudinal axis and
20 said openings of said sensors are substantially perpendicular to said longitudinal axis of said support.
5. The device of claim 1 wherein said openings of said sensors are oriented
25 in a substantially perpendicular relationship with respect to the general alignment of said sensors.

- 5 6. The device of claim 1 wherein said sensors are aligned in only one substantially linear arrangement.
7. The device of claim 1 wherein said sensors are aligned in at least two substantially co-linear arrangements.
- 10 8. The device of claim 7 wherein at least two of said aligned sensors have a first linear arrangement and at least two others of said aligned sensors have a second linear arrangement.
- 15 9. The device of claim 1 wherein each of said sensors are maintained in a spatial arrangement opposed to respective circuit breakers.
10. The device of claim 1 wherein said sensors are arranged such that a respective housing at least partially surrounding each of said sensors has an overlapping region in a substantially perpendicular direction with
20 respect to at least one of a longitudinal axis of said support and the general alignment of said sensors.
11. The device of claim 1 wherein said openings of said sensors are arranged
25 in a non-overlapping relationship with respect to other said openings in a substantially perpendicular direction with respect to at least one of a

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longitudinal axis of said support and the general alignment of said sensors.

12. The device of claim 1 wherein said openings of said sensors are arranged in a non-overlapping relationship with respect to respective housings at least partially surrounding each of said sensors in a substantially perpendicular direction with respect to at least one of a longitudinal axis of said support and the general alignment of said sensors.

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13. The device of claim 1 further comprising
- (a) a power panel;
 - (b) a plurality of circuit breakers within said power panel;
 - (c) said device within said power panel; and
 - (d) said sensors arranged in a spatial arrangement such that said openings defined by said sensors are in a substantially directly opposing relationship with respect to respective ones of said circuit breakers.

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14. The device of claim 1 wherein said sensors are split core sensors.

15. The device of claim 1 further comprising

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- (a) a connector supported by said support; and

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- (b) a power monitor that receives a signal from said connector representative of the current levels of a wire sensed by one of said sensors.

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